

Title (en)  
ELECTRONICALLY-CONTROLLED AXLE BRAKING SYSTEM AND METHOD

Title (de)  
ELEKTRONISCH GESTEUERTES ACHSBREMSSYSTEM UND VERFAHREN

Title (fr)  
PROCÉDÉ ET SYSTÈME DE FREINAGE D'ESSIEU À COMMANDE ÉLECTRONIQUE

Publication  
**EP 3774472 A4 20210505 (EN)**

Application  
**EP 19797112 A 20190503**

Priority  
• US 201862666500 P 20180503  
• US 2019030598 W 20190503

Abstract (en)  
[origin: WO2019213519A1] A braking system for a vehicle includes a first axle attached to a chassis and rotatably supporting two front wheels, with a first brake including a first electronic brake controller for controlling application of braking to the front wheels. A second axle rotatably supports two rear wheels and is detachably connected to the chassis and has a second electronic brake controller and a second brake attached thereto for braking the rear wheels. Each of the electronic brake controllers has an independent power source. The system also includes an electronic park brake controller and parking brake. A vehicle control unit is in communication with each of the electronic brake controllers for coordinating control of the braking system. One or more communications network cables, which may be wired or wireless, connect the electronic brake controllers. An electrical connector allows for swapping the second axle, which requires no fluidic connections.

IPC 8 full level  
**B60W 10/184** (2012.01); **B60B 35/00** (2006.01); **B60T 8/26** (2006.01); **B60T 17/22** (2006.01)

CPC (source: EP US)  
**B60B 35/004** (2013.01 - EP); **B60R 16/023** (2013.01 - US); **B60T 8/267** (2013.01 - EP); **B60T 8/885** (2013.01 - US); **B60T 17/22** (2013.01 - EP); **B60W 10/184** (2013.01 - EP); **B62D 65/02** (2013.01 - US); **B60B 2900/531** (2013.01 - EP); **B60B 2900/541** (2013.01 - EP); **B60K 6/40** (2013.01 - US); **B60K 6/46** (2013.01 - US); **B60L 50/60** (2019.01 - US); **B60T 2270/402** (2013.01 - US); **B60T 2270/414** (2013.01 - US)

Citation (search report)  
• No further relevant documents disclosed  
• See references of WO 2019213519A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2019213519 A1 20191107**; CA 3099279 A1 20191107; CN 112055676 A 20201208; EP 3774472 A1 20210217; EP 3774472 A4 20210505; US 2023018321 A1 20230119

DOCDB simple family (application)  
**US 2019030598 W 20190503**; CA 3099279 A 20190503; CN 201980029548 A 20190503; EP 19797112 A 20190503; US 201917052283 A 20190503